

Claims

What is claimed is:

10. (ORIGINAL) A method for providing a transaction layer for a module having at least one node connected to a serial bus that configures a link device for each of said at least one nodes comprising:
  - detecting a link driver;
  - receiving capabilities of said link driver;
  - generating a link driver configuration for said link driver from said capabilities of said driver; and
  - loading said link driver configuration into said link driver.
11. (ORIGINAL) The method of claim 10 further comprising:
  - querying said link driver for said capabilities.
12. (ORIGINAL) The method of claim 11 further comprising:
  - receiving said capabilities of said link driver from said link driver.
13. (ORIGINAL) The method of claim 10 further comprising:
  - storing said capabilities of said link driver.
14. (PREVIOUSLY AMENDED) The method of claim 13 wherein storing said capabilities comprises:
  - generating a node in a linked list for said link driver; and
  - storing said capabilities of said link driver in a data field of said node.
15. (ORIGINAL) The method of claim 10 further comprising:
  - receiving configuration information for said link driver.
16. (PREVIOUSLY AMENDED) The method of claim 15 wherein generating said link driver configuration comprises:
  - generating said link driver configuration from said capabilities and said configuration information.

17. (ORIGINAL) The method of claim 15 further comprising:  
storing said configuration data.
18. (ORIGINAL) The method of claim 17 further comprising:  
generating a node in a linked list for said link driver; and  
storing said configuration information of said link driver in a data field of said node.
19. (ORIGINAL) The method of claim 10 further comprising:  
receiving an input of user defined configuration data for said link driver.
20. (PREVIOUSLY AMENDED) The method of claim 19 wherein generating said link driver configuration comprises:  
generating said link driver configuration from said capabilities and said user defined configuration data.
21. (ORIGINAL) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to provide a transaction layer for a module having at least one node connected to a serial bus that configures a link device for each of said at least one nodes that performs a method comprising:  
detecting a link driver;  
receiving capabilities of said link driver;  
generating a link driver configuration for said link driver from said capabilities of said driver; and  
loading said link driver configuration into said link driver.
22. (ORIGINAL) The program storage device of claim 21 wherein said method further comprises:  
querying said link driver for said capabilities.
23. (ORIGINAL) The program storage device of claim 22 wherein said method further comprises:  
receiving said capabilities of said link driver from said link driver.

24. (ORIGINAL) The program storage device of claim 21 wherein said method further comprises:

storing said capabilities of said link driver.

25. (ORIGINAL) The program storage device of claim 24 wherein said step of storing said capabilities comprises:

generating a node in a linked list for said link driver; and

storing said capabilities of said link driver in a data field of said node.

26. (ORIGINAL) The program storage device of claim 21 wherein said method further comprises:

receiving configuration information for said link driver.

27. (PREVIOUSLY AMENDED) The program storage device of claim 26 wherein generating said link driver configuration comprises:

generating said link driver configuration from said capabilities and said configuration information.

28. (ORIGINAL) The program storage device of claim 27 wherein said method further comprises:

storing said configuration data.

29. (ORIGINAL) The program storage device of claim 28 wherein said method further comprises:

generating a node in a linked list for said link driver; and

storing said configuration information of said link driver in a data field of said node.

30. (ORIGINAL) The program storage device of claim 21 wherein said method further comprises:

receiving an input of user defined configuration data for said link driver.

31. (PREVIOUSLY AMENDED) The program storage device of claim 30 wherein generating said link driver configuration comprises:

generating said link driver configuration from said capabilities and said user defined configuration data.